

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the Application.

Listing of Claims:

We claim:

1-14. (Cancelled)

15. (New) A profiled rail assembly for a suspension device to be fastened horizontally on a carrying structure (9) erected in a substantially vertical plane, the profiled rail assembly comprising:

a profiled rail (1) having a passage (10) and a front entry point (100), the passage (10) extending into the profiled rail (1) substantially horizontally from the front entry point (100);

a carrier (6,8) sized and shaped so as to engage, via the entry point (100), the passage (10) of the profiled rail (1) and whereby articles can be suspended or set down on the carrier (6,8);

a hook groove (16) extending upwardly from the passage (10);

a conductor rail (2) arranged within the passage (10) and including a plurality of current conductors (24,27);

a power supply line (3) sized and shaped so as to convey electricity to the conductor rail (2);

a feed line (46) connecting the current conductors (24,27) to a consuming unit (7) to convey electricity to the consuming unit (7); and

an adapter (4) sized and shaped so as to insertably engage the passage (10) and to operatively engage the current conductors (24,27) in the passage (10).

16. (New) The profiled rail assembly as claimed in claim 15, wherein

- a) the conductor rail (2) includes an insulating profile (20) and wire channels (22,25) having access points (23,26);
- b) the current conductors (24,27) are arranged within the wire channels (22,25) and can be tapped via the access points (23,26) along substantially the entire length of the current conductors (24,27) in a substantially uninterrupted manner;
- c) the profile (1) includes a current-conducting groove (15) extending from the passage (10); and
- d) the conductor rail (2) is arranged within the current-conducting groove (15).

17. (New) The profiled rail assembly as claimed in claim 15 or claim 16, wherein

- a) the insulating profile (20) of the conductor rail (2) has outer contours (21) and the current-conducting groove (15) has inner contours complimentary to the outer contours (21), such that the outer contours (21) fit into the inner contours;

- b) the current-conducting groove (15) is arranged, remote from the entry point (100), in the depth of the passage (10) and, substantially perpendicularly to the passage (10); and
- c) the access points (23,26) open substantially perpendicularly to the passage (10).

18. (New) The profiled rail assembly as claimed in claim 17, wherein

- a) the insulating profile (20) has a substantially M-shaped cross section with a top and side legs;
- b) the two access points (23,26) are each located at the bottom and within the side legs of the M-shaped cross section; and
- c) the wire channels (22,25) and the current conductors (24,27) arranged therein are each located at the top and within the side legs of the M-shaped cross section.

19. (New) The profiled rail assembly as claimed in claim 15, wherein

- a) the passage (10) has an end defined by a base plate (11);
- b) the base plate (11) has a top extension (110) extending upward and a bottom extension (113) extending downward, beyond the region of the incoming passage (10);
- c) the hook groove (16) extends upward, adjacent the base plate (11); and
- d) an arresting groove (17) extends downwards, out of the passage (10).

20. (New) The profiled rail assembly as claimed in claim 19, wherein the profiled rail (1) further includes:

- a) a top strut (13) at the top of the passage (10) and a bottom strut (12) at the bottom of the passage (10);
- b) a top clearance (101) which slopes upward in the direction of the entry point (100) at the top of the passage (10);
- c) a bottom clearance (102) which is inclined downward in the direction of the base plate (11) at the bottom of the profiled rail (1);
- d) a strip groove (18) formed in the bottom strut (12), in the vicinity of the entry point (100), and a non-slip and damping, preferably elastic, extruded profile (180) arranged within the strip groove (18); and
- e) at the end of the passage (10), an axially accessible raised molding (103), extending along the profiled rail (1) to engage the adapter (4).

21. (New) The profiled rail assembly as claimed in claim 20, wherein the profiled rail (1) further includes:

- a) a supporting strut (14) which extends from the bottom strut (12), to the bottom extension (113) and defines a cavity (114) with the bottom strut (12);
- b) on the top strut (13), a downwardly extending tongue (130) with a tongue groove (131) located alongside the extending tongue (130);
- c) a downwardly extending tongue (120) and an adjacent tongue groove (121) arranged on the bottom strut (12);
- d) a first screw-connection channel (111) adjacent the junction of the top strut (13) and the base plate (11);

- e) a second screw-connection channel (115) adjacent the junction of the strut (14) and the bottom strut (12);
- f) at least one notch (112) in the top extension (110), wherein the tongues (120,130) are sized and shape to engage tongue grooves (920) formed in the carrying structure (9); and
- g) the notched lines (112) serve as an orientation means for screw holes in the construction of the carrying structure (9) with at least one profiled rail (1) inserted to be fastened on a part of a building.

22. (New) The profiled rail assembly as claimed in claim 21, wherein the notch (112) is on both sides of the top extension (110).

23. (New) The profiled rail assembly as claimed in claim 15, wherein the power supply (3) includes:

- a) a cutout (19) on the profiled rail (1), into which a connection terminal (30) is inserted;
- b) a plug coupling (31) comprising a bushing (33), which is positioned in the cutout (19) alongside the connection terminal (30), and a plug (32), which can be coupled to the bushing (33) from the outside and to which the current-supplying feed line (320) is connected; and
- c) a ground terminal (34) on the profiled rail (1).

24. (New) The profiled rail assembly as claimed in claim 15, wherein the carrier is a shelf (6) having a rear edge (60) sized and shaped so as to engage the passage (10) of the profiled rail (1).

25. (New) The profiled rail assembly as claimed in claim 24, wherein the adapter (4) can be pushed into the passage (10) independent of the shelf (6) for power take-off.

26. (New) The profiled rail assembly as claimed in claim 24, wherein the shelf (6) includes an aperture (61) sized and shaped so as to receive the adapter (4), further wherein the adapter (4) is sized and shaped so as to be inserted into the passage (10) together with the shelf (6).

27. (New) The profiled rail assembly as claimed in claim 15, wherein the carrier is a carrying arm (8) which includes a bar part (80) with a plug-in end (801), and at least one tongue element (81) at the plug-in end (801) which can be plugged into the passage (10) of the profiled rail (1); and

the plug-in end (801) is provided with an upwardly directed hook (82) which is sized and shaped so as to engage in the hook groove (16).

28. (New) The profiled rail assembly as claimed in claim 27, wherein the plug-in end (801) of the carrier (8) has a tapered bottom portion (83).

29. (New) The profiled rail assembly as claimed in claim 15, wherein the adapter (4) includes:

- a) a rotatable pin (410);
- b) on the input side:
 - ba) contact lugs (42,43) which can be pivoted on the rotatable pin (410) and are intended for power take-off from the current conductors (24,27); and
 - bb) a tap (44) for the grounding conductor; and
- c) on the output side:
 - ca) line connections (420,430) and a ground-contact connection (440), which are connected to the feed line (46) to the consuming unit (7).

30. (New) The profiled rail assembly as claimed in Claim 29, wherein the adapter (4) further includes:

- a) a housing (40) with a bottom plate (400), a cover (401), an output connector (402) and an optional plate groove (403) in the housing (40) for insertion into the aperture (61) of a shelf (6), the output connector (402) merging into a conduit (460) for further cable routing to the consuming unit (7);
- b) a rotary knob (41), which is accessible to the user and is connected to the pin (410);
- c) a pin bearing (411) in the housing (40), and an inhibitor (412) acting on the pin (410); and

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- d) a catch (45), which is seated on the pin (410) and, in the connected state, when the contact lugs (42,43) butt against the current conductors (24,27) engages at least in one of the grooves (16,17); such that
- e) the catch (45), in the disconnected state, is disengaged, with the result that the adapter (4) can be pushed into the passage (10) and drawn out of the passage (10).